



# Trinity River mainstem redd survey update

## 12/22/2010

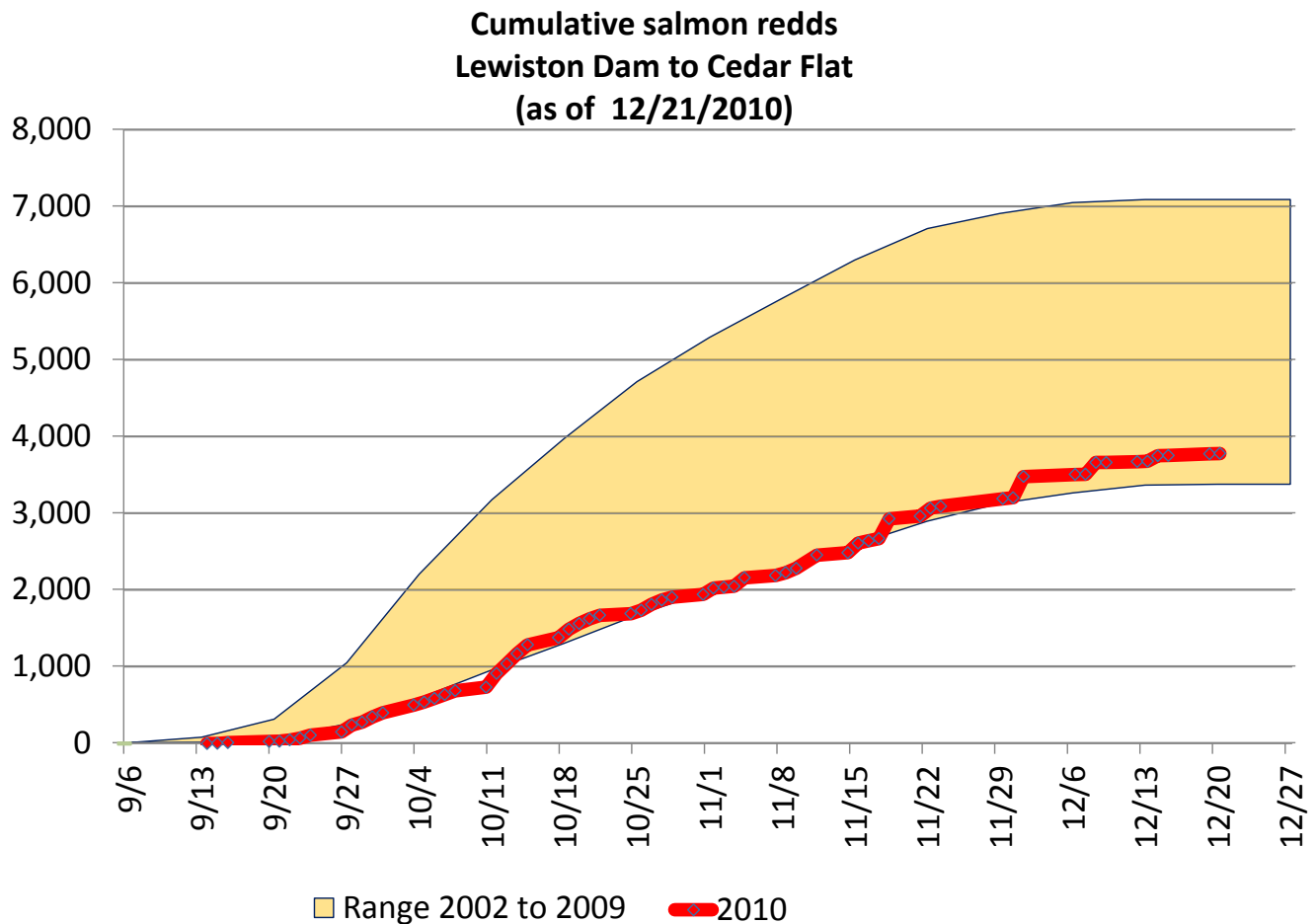
The [Arcata Fish and Wildlife Office](#) along with the [California Department of Fish and Game](#), [Yurok Tribal Fisheries Program](#), [Hoopa Valley Tribal Fisheries Department](#), and [Shasta-Trinity National Forest](#) survey the mainstem Trinity River to recover salmonid carcasses and count and map Chinook Salmon (*Oncorhynchus tshawytscha*) redds. The distribution of Chinook Salmon redds is expected to change in response to rehabilitation efforts of the [Trinity River Restoration Program](#), and the relative run size of wild vs. [Trinity River Hatchery](#) origin fish. Redd and carcass surveys are conducted weekly on the River between [Lewiston Dam](#) and the North Fork Trinity River (Reaches 1 through 7), and are conducted every other week on the Reaches downstream of the North Fork Trinity River ([link to map](#)).

This update provides preliminary data on 2010 redd counts encountered and entered into our database as of 12/21/2010 (Table 1). Figure 1 compares preliminary 2010 cumulative redd counts for Reaches 1-10 with the previous 9 years (2002-2010).

**Table 1. Preliminary count of redds by logistic reach for the fall 2010 mainstem Trinity River redd survey. Redds constructed by Chinook and Coho Salmon are not differentiated. Numbers are later adjusted for Chinook Salmon using data provided by California Department of Fish and Game. "NS" = not surveyed. Reach 11 not surveyed due to extreme whitewater (Burnt Ranch Gorge). These data are preliminary and subject to revision.**

Calendar		Reach														Total
week	Week start	01	02	03	04	05	06	07	08	09	10	11	12	13	14	
38	09/13/10	0	0	1	10	2	0	0	0	0	0					13
39	09/20/10	38	14	3	18	23	0	1								97
40	09/27/10	52	33	79	56	45	9	10	0	7	0					291
41	10/04/10	50	36	38	35	63	42	24					0	0	0	288
42	10/11/10	56	47	84	47	69	94	53	13	77	59					599
43	10/18/10	46	64	78	44	92	52	9					6	0	0	391
44	10/25/10	37	22	32	31	49	11	17	12	25	NS					236
45	11/01/10	111	30	24	11	14	37	20			7		18	2	0	274
46	11/08/10	172	NS	28	19	28	15	5	NS	19	8					294
47	11/15/10	259	124	4	27	32	21	8					87	24	2	588
48	11/22/10	NS	92	25	7	3	7	2	NS	12	14					162
49	11/29/10	274	99	NS	NS	14	0	0					108	NS	NS	495
50	12/06/10	151	30	0	3	0	NS	NS	NS	NS	NS					184
51	12/13/10	73	5	11	1	2	0	0					NS	NS	NS	92
52	12/20/10	21	5													26
Total		1,340	601	407	309	436	288	149	25	140	88		219	26	2	4,030





**Figure 1. Comparison of fall 2010 cumulative Trinity River mainstem redd counts from Lewiston Dam to Cedar Flat as of 12/21/2010 vs. range years previous (2002-2009).**

A [Keyhole Markup Language](#) file has been created to view redd distribution data with Google Earth.

#### December 21 2010 Redds

(last modified on December 22, 2010)

If Google Earth fails to launch automatically, the file can also be used by first launching the Google Earth application. Select the menu option **File, Open**, and then locate the previously downloaded file (2010 Trinity Redds as of 2010\_12\_21.kml); then click the **Open** button.

For more information regarding mainstem Trinity River redd surveys, please contact Charlie Chamberlain at (707) 822-7201 or [charles\\_chamberlain@fws.gov](mailto:charles_chamberlain@fws.gov)